--6. (New) The system of claim 1 further comprising programming to detect broadening tops and broadening bottoms.--

--7 (New) The system of claim 1 further comprising programming to detect head and shoulders pattern.--

--8 (New) The system of claim 1 further comprising programming to detect triangle tops and triangle bottoms.--

--9 (New) The system of claim 1 further comprising programming to detect rectangle tops and rectangle bottoms.--

--10 (New) The system of claim 1 further comprising programming to detect double tops and double bottoms.--

Q1

--11 (New) A data processing method for developing predictions on future price movements based on historical price data said method comprising the steps of:

a) storing data relating to price at select time intervals;

b) develop a non-linear relationship over discrete time intervals and establishing smooth, curvalinear characteristics for said price data at select intervals;

c) apply pattern recognition techniques to said curvalinear characteristics to detect one or more patterns for said select intervals; and

d) generate a results output based on a recognition of one or more patterns.--

--12 (New) The method of claim 11 wherein recognized patterns are selected from the group comprising:: head and shoulders, broadening tops and bottoms, triangle tops and bottoms, rectangle tops and bottoms, and double tops and bottoms.--

--13 (New) The method of claim 1 wherein a kernel regression is used in developing a non-linear relationship and establishing a smooth curvalinear characteristic.--